

FILE NOTATIONS

Entered in MLD File
When Map Pinned
and Indexed

Checked by Chief
Approval Letter
Disapproval Letter

PMB
4-7-72

COMPLETION DATA:

ate Well Completed

Location Inspected

W..... WW..... TA.....

Bond released

W..... OS..... PA.....

State or Fee Land

LOGS FILED

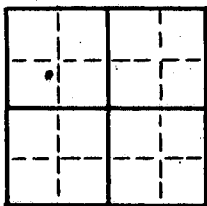
Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 SALT LAKE CITY, UTAH

Fee and Patented.....☐
 State.....☐
 Lease No.
 Public Domain.....☒
 Lease No. 69589
 Indian.....☐
 Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/> 	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History.....
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... 3 - 23, 19 72

Well No. 1-13 is located 1625 ft. from {N} line and 1140 ft. from {W} line of Sec. 13
S W 1/4 N W 1/4 Sec 13 T40S R 13 W W 5th B & M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
W.C. Washington Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is to be run after location is built feet.

A drilling and plugging bond has been filed with State of Utah.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

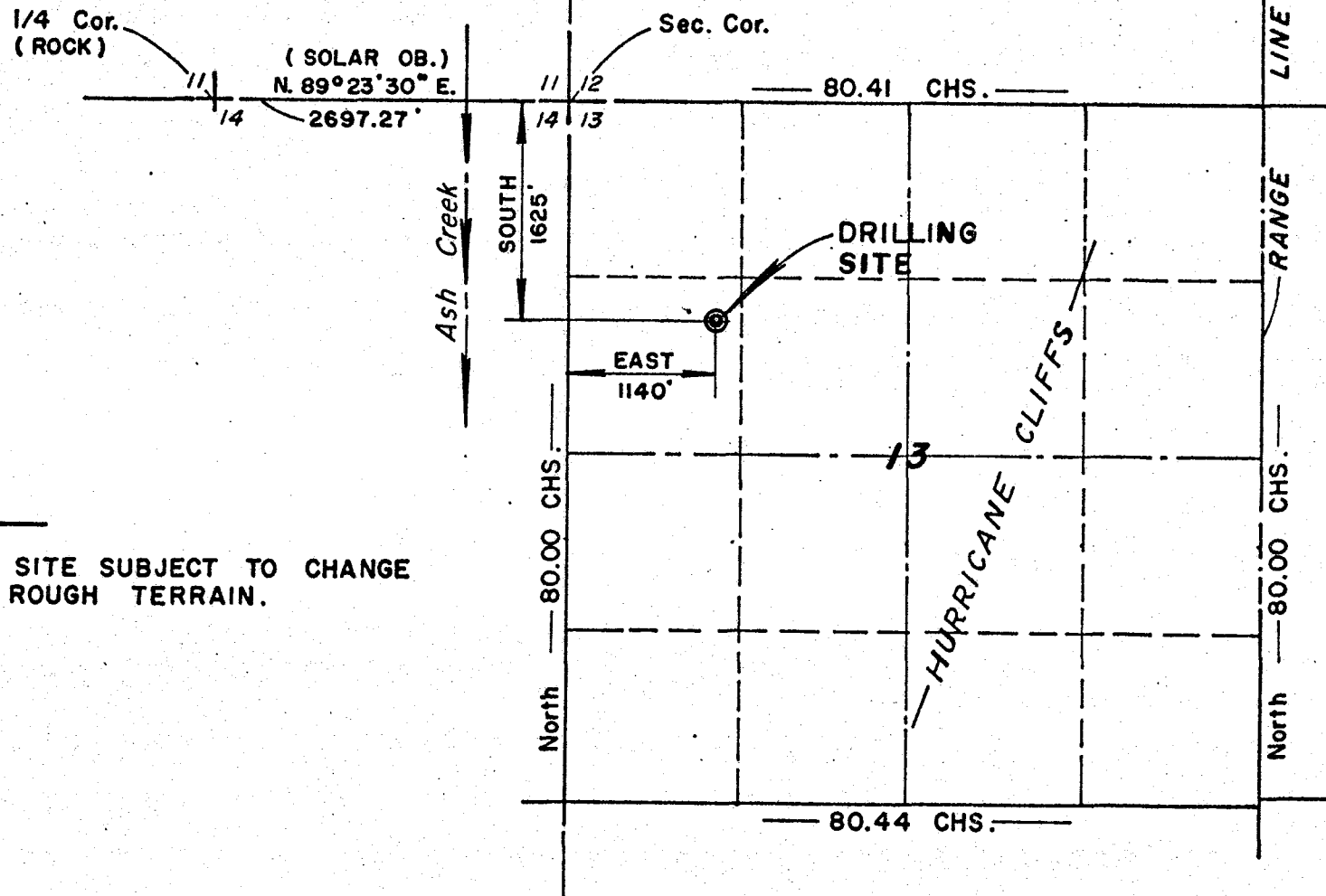
It is intended to drill a 13 3/4" hole to 200' Run & cement
200' 9 7/8" 32.50 # Csg. Cementing to surface
drill a 8 3/8" hole to 3000' or sufficient depth
to test the Devonian Formation which ever is
the lesser.
Logging & testing all shows of oil & Gas
encountered

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Willard Pease Drilling Co.
 Address P.O. Box 548 By.....
Grand Junction Colorado Title.....

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

T. 40 S., R. 13 W., S.L.B. & M.



MEMO: —

DRILLING SITE SUBJECT TO CHANGE
DUE TO ROUGH TERRAIN.

RALPH B. PLATT
REGISTERED ENGINEER AND LAND SURVEYOR

DATE: MARCH 18, 1972

SCALE: 1 IN. TO 1320 FT.

Willard Pease Drilling Co.
P. O. Box 548
Grand Junction, Colorado

81501

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Utah
SERIAL No.: 9589

and hereby designates

NAME: Willard Pease Drilling Company
ADDRESS: P. O. Box 548, Grand Junction, Colorado

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 40 South, Range 13 West, S.L.M.
Section 13: NW/4

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

BUTTES GAS & OIL CO.

BY:

Robert W. Peterson

(Signature of lessee)

Robert W. Peterson, Vice President

March 27, 1972

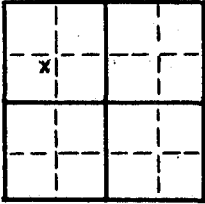
(Date)

1776 Lincoln St., Suite 1200, Denver, Colo.

(Address)

(SUBMIT IN DUPLICATE)

LAND: 151



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented.....☐
State.....☐
Lease No.
Public Domain.....☒
Lease No. U-9589
Indian.....☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/> 	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History.....
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 23, 1972

Well No. 1/13 is located 1625 ft. from {N} line and 1140 ft. from {W} line of Sec. 13
SW 1/4, NW 1/4, Sec. 13 T40S R13W SLB&M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Washington Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is To be run after location is built feet.

A drilling and plugging* bond has been filed with State of Utah

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

It is intended to drill a 13-3/4" hole to 200'. Run and cement 200' of 9-5/8" 32.50# casing. Cementing to surface. Drill an 8-3/8" hole to (3,000') or sufficient depth to test the Devonian Formation, which ever is the lesser.

Logging and testing all shows of oil and gas encountered.

NESWNNW

43-053-30007

Con. after receiving letter for C-3 & own 600 acres

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company WILLARD PEASE DRILLING COMPANY

Address P. O. Box 548

By W. H. Pease

Grand Junction, Colorado 81501

Title President

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

(SUBMIT IN DUPLICATE)

LAND:

X		

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 SALT LAKE CITY, UTAH

Fee and Patented.....☐
 State☐
 Lease No.
 Public Domain☐
 Lease No. U-9589.....☒
 Indian☐
 Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	X	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 23, 1972

Well No. 1/13 is located 1625 ft. from {N} line and 1140 ft. from {E} line of Sec. 13
SW 1/4, NE 1/4, Sec. 13 T40S R13W SR14M
 (Field) (County or Subdivision) (Range) (Meridian)
Wildcat (State or Territory) Utah

The elevation of the derrick floor above sea level is to be run at feet location
is built

A drilling and plugging bond has been filed with State of Utah

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

It is intended to drill a 13-3/4" hole to 200'. Run and cement 200' of 9-5/8" 32.50# casing. Cementing to surface. Drill an 8-3/8" hole to 3,000' or sufficient depth to test the Devonian Formation, which ever is the lesser.

Logging and testing all shows of oil and gas encountered.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company WILLARD PEASE DRILLING COMPANY
 Address P. O. Box 548
Grand Junction, Colorado 81501
 By W. H. Pease
 Title President

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

April 7, 1972

Willard Pease Drilling Company
Box 548
Grand Junction, Colorado 81501

Re: Federal #1-13
Sec. 13, T. 40 S, R. 13 W,
Washington County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. Said approval is, however, conditional upon the following:

- (1) A letter stating that this unorthodox location is due to topography and/or geology, and that your company owns or controls all acreage within a 660' radius of the proposed well site.
- (2) Written notification as to the type of blowout prevention equipment to be installed, as well as, the subsequent testing procedures to be followed.
- (3) As this location is quite distant, it would be appreciated if you would notify this office when you planned to spud-in.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Willard Pease Drilling Company
Page Two
April 7, 1972

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to this request will be greatly appreciated.

The API number assigned to this well is 43-053-30007.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey

4

WILLARD PEASE DRILLING CO.

PM

P. O. Box 548

Phone 242-6912

2457 Industrial Blvd.

GRAND JUNCTION, COLORADO 81501

April 14, 1972

State of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Mr. Paul W. Burchell

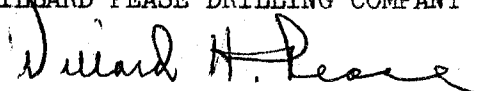
Dear Sir:

In regards to our Federal #1-13 located in Section 13, T40S, R13W, Washington County, Utah, the Willard Pease Drilling Company owns or controls all acreage within 660' radius of the proposed well site. The type of blowout preventor will be a Cameron Double 10" 900 hydraulic operated blowout preventor, tested daily. We will notify the State of Utah when we plan to spud. At this time, the expected spud date is approximately April 20th. ✓

I remain,

Yours truly,

WILLARD PEASE DRILLING COMPANY



Willard H. Pease, President

WHP:ds

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

April 18, 1972

Mr. W. H. Pease
Willard Pease Drilling Company
P. O. Box 548
Grand Junction, Colorado 81501

Re: Well 1-13 Federal - SW $\frac{1}{4}$ NW $\frac{1}{4}$
Sec. 13, T. 40 S., R. 13 W.,
SLM, Washington County, Utah
Lease U 9589

Dear Mr. Pease:

Enclosed is your copy of the Application for Permit to Drill the referenced well which was approved by this office on April 14, 1972, subject to the following conditions:

1. You have received written approval from the Bureau of Land Management of a plan of operation concerning construction and rehabilitation of the access road and well location.
2. Due to the proximity of the Hurricane fault with its associated tectonics and also due to the extreme topographic relief to the west of the well, it appears that 200 feet of surface casing is inadequate. Therefore, unless you can conclusively show that it is not necessary, you are hereby required to set and cement to surface 500 feet (plus or minus 10 percent for selection of a good setting point) of surface casing.
3. The minimum requirement for blowout preventers will be API Series 900 double ram one of which will be equipped with pipe rams and the other equipped with blind rams. The preventers will be tested to 1000 psig after setting and cementing the surface casing, pressure to be held for 30 minutes. The pipe rams are to be closed once each 24 hours and the blind rams are to be closed each time the drill pipe is out of the hole. All tests are to be recorded in the drillers tour book.

Also, you will be drilling in an area where thermal water zones may be encountered. We would appreciate receiving any information you obtain concerning waters encountered during drilling including temperature and quality along with flow rates.

Sincerely,

(ORIG. SCD) G. R. DANIELS

Gerald R. Daniels,
District Engineer

Enclosure

cc: State Division O&G Cons. ✓
District Mgr., BLM, Cedar City
Casper

STATE OF UTAH
DIVISION OF OIL & GAS CONSERVATION
DEPARTMENT OF NATURAL RESOURCES

PLUGGING PROGRAM

NAME OF COMPANY WILLARD PEASE DRILLING COMPANY

WELL NAME FEDERAL #1-13 API NO: 43-053-30007

Sec. 13 Township 40S Range 13W County Washington

Verbal Approval Given to Plug the Above Referred to Well in the Following Manner:

Total Depth: 3170'

Casing Program:

Formation Tops:

Plugging program designed by Robert Norman, taken from the
Gamma Ray - Sidewall Neutron Porosity Log ✓

Plugs Set as Follows:

50' plug set at 735' ✓
50' plug set at 530' ✓
25' plug set at shoe of casing at 394'
Surface plug and marker

Requested Halliburton ticket be sent to U.S.G.S. and
this office.

Date: 5-11-72 CB7 Signed: Scheru

(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented.....☐
 State☐
 Lease No.
 Public Domain.....☒
 Lease No. U-9589
 Indian☐
 Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	X	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 12, 1972

Well No. 1-13 is located 1625 ft. from $\begin{Bmatrix} N \\ S \end{Bmatrix}$ line and 1140 ft. from $\begin{Bmatrix} E \\ W \end{Bmatrix}$ line of Sec. 13SW 1/4 NW 1/4 S13
(1/4 Sec. and Sec. No.)T40S
(Twp.)R13W
(Range)

(Meridian)

(Field)

Washington
(County or Subdivision)Utah
(State or Territory)The elevation of the derrick floor above sea level is 4351 feet.

A drilling and plugging bond has been filed with

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

It is intended to place a cement plug from 735' to 685' and a fifty foot plug in base of surface casing and top of surface casing with a 4" dry hole marker 4' above ground level.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company WILLARD PEASE DRILLING COMPANYAddress P. O. Box 548

By

Grand Junction, Colorado 81501Title President

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal 1-13
Operator Willard Pease Drilling Co. Address Box 548-Grand Jct., Colo. Phone 242-6912
Contractor Willard Pease Drlg. Co. Address Box 548-Grand Jct., Colo. Phone 242-6912
Location SW 1/4 NW 1/4 Sec. 13 T. 40 S R. 13 W Washington County, Utah.

Water Sands:

	<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
	<u>From-</u>	<u>To-</u>	<u>Flow Rate or Head-</u>	<u>Fresh or Salty-</u>
1.	<u>523'</u>	<u>540'</u>	<u>15 gal. per minute</u>	<u>slightly brackish</u>
2.	<u>579'</u>	<u>612'</u>	<u>75 gal. per minute</u>	<u>slightly brackish</u>
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops:

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of this form)
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

U-9589

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-9589	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Willard Pease Drilling Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 548 - Grand Junction, Colorado 81501				8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface At top prod. interval reported below At total depth				9. WELL NO. 1-13	
14. PERMIT NO.				12. COUNTY OR PARISH Washington	
DATE ISSUED 4-5-72				13. STATE Utah	
15. DATE SPUDDED 4-23-72		16. DATE T.D. REACHED 5/11/72		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4351 GL	
17. DATE COMPL. (Ready to prod.)		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 4514'	
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*				25. WAS DIRECTIONAL SURVEY MADE X	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual induction laterlog - Neutron Porosity - Density Log				27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.75	394	13-3/4"	250 sks	NONE
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY			
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>W. H. Pease</u>		TITLE <u>Pres</u>		DATE <u>5-31-72</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUM VERT. DEPTH
Pakoon	0	359				
Callville	360	1459				
Horseshoe	1460	1709				
Mooney Falls	1710	2279				
Thunder Spr.	2280	3069				
Whitmore Wash	3070	3994				
Devonian	3995	4514				

JUN 1 1972